ELSEVIER

Journal of Organometallic Chemistry 535 (1997) 217

Journal of Organometallic Chemistry

Author Index of Volume 535

Abla, M., 209
Aladzheva, I.M., 121
Alcaraz, G., 91
Amor, J.I., 155

Bacchi, A., 107
Baker, P.K., 129
Bansal, R.K., 7
Beckett, M.A., 33
Berkovich, E.G., 169
Bezombes, J.-P., 81
Bianchi, M., 143
Bosque, R., 99
Bykhovskaya, O.V., 121

Canovese, L., 69
Carcelli, M., 107
Carré, F., 81
Chen, L.-J., 17
Chuit, C., 81
Corriu, R.J.P., 81
Costa, M., 107
Crociani, B., 69
Cuenca, T., 155

Dahlenburg, L., 195
Das, M.K., 7
Dey, D.K., 7
Di Bianca, F., 69
Ding, L., 49
Dobson, G.R., 63

Erker, G., 59

Font-Bardía, M., 99
Frediani, P., 143
Fröhlich, R., 59

Galakhov, M., 155
Gómez-Sal, P., 155
Grützmacher, H., 91

Hagos, A., 183
Hall, C.D., 135
Heim, U., 91
Hibbs, D.E., 33
Hillebrecht, H., 91
Hockless, D.C.R., 175
Huang, X.-Y., 17
Humphrey, M.G., 175
Hursthouse, M.B., 33

Kabachnik, M.I., 121
Kamer, P.C.J., 183, 201
Kang, B.-S., 17
Karl, J., 59
Kawanami, H., 1

Ladogana, S., 63
Lee, G.-H., 149
Lenenko, V.S., 169
Leporati, A., 107
Leporati, E., 107
Li, G.Q., 43
Lin, C.-J., 149
Lin, S., 149
Liu, Y.H., 49
Lobanov, D.I., 121
López, C., 99
Lorberth, J., 213
Lucas, N.T., 175

Malik, K.M.A., 33
Manzanero, A., 155
Mao, X.A., 49
Marchand, C., 91
Mastryukova, T.A., 121
Matrosov, E.I., 121
Meehan, M.M., 129
Mehdi, A., 81
Moll, M., 195
Musashi, Y., 25

Nikolaeva, S.N., 213

Ogawa, M., 25
Orchin, M., 43

Park, J.T., 29
Pelagatti, P., 107
Pelizzi, C., 107
Pelizzi, G., 107
Peringer, P., 77
Petrosyan, V.S., 213
Piacenti, F., 143
Ponomarev, S.V., 213
Purcell, W., 63

Reyé, C., 81
Rosi, L., 143
Royo, P., 155

Sachsinger, N., 135
Sakaki, S., 25
Salvini, A., 143
Scheffknecht, C., 77
Shi, J.-C., 17
Shim, S.C., 29
Shur, V.B., 169
Smit, J.P., 63
Solans, X., 99
Starikova, Z.A., 121
Strickland, G.C., 33
Struchkov, Yu.T., 121

Thomaier, J., 91
Toyota, K., 1

Uguagliati, P., 69

Van Donge, H.M.A., 183
Van Leeuwen, P.W.N.M., 183, 201
Van Rooy, A., 201
Varma, K.S., 33
Vasil'eva, G.A., 169
Visentin, F., 69
Vol'pin, M.E., 169
Vyshinskaya, L.I., 169

Wang, H.X., 49
Wang, Y., 149
Wehman, P., 183
Weiß A., 195
Woo, B.W., 29
Wu, D.-X., 17
Wu, Y.J., 49

Yamamoto, T., 209
Yanovsky, A.I., 121
Yoon, S.C., 29
Yoshifuji, M., 1
Yuan, H.Z., 49

Elsevier Science S.A.

ELSEVIER

Journal of Organometallic Chemistry 535 (1997) 219–222

Journal of Organometallic Chemistry

Subject Index of Volume 535

Alkyne
Synthesis and spectroscopic properties of some new bi-, tri- and tetrametallic complexes of the type $[M(CO)_5L]$, $[M(CO)_4L_2]$ and $[M(CO)_3L_3]$ {M = Cr, Mo, W; L = $[WI_2(CO)\{Ph_2P(CH_2)_2PPh(CH_2)_2PPh_2\text{-}P,P'\}(\eta^2\text{-}RC_2R')]$ (R = R' = Me, Ph; R = Me, R' = Ph)} (P.K. Baker and M.M. Meehan), 129

Alkynes
Preparation, reactions, and infrared spectra of *fac*-$(CO)_3$(P–P)Mn–Z complexes (P–P = DEPE, DPPE, DPPP; Z = H, OTs, OMe, OC(O)OMe, NCO, Cl, Br, N_3) (G.Q. Li and M. Orchin), 43

Alkynyl
Ethinylkomplexe des Rutheniums mit terminalen Hauptgruppenelement-Substituenten: Systematischer Aufbau metallgebundener Phosphoniumacetylid-Liganden $R'R_2P^{(+)}\text{–}C{\equiv}C^{(-)}$ (L. Dahlenburg, A. Weiß und M. Moll), 195

Aluminium compounds
Reactions of a carbosilylated methylenephosphonium ion with π-conjugated hydrocarbons (J. Thomaier, G. Alcaraz, H. Grützmacher, H. Hillebrecht, C. Marchand and U. Heim), 91

Antitumor activity
Chiral phosphine ligands derived from sugars. 10. Syntheses, structure, characterization, and antitumor activity of the gold(I) complexes with sugar-substructure phosphine ligands (J.-C. Shi, L.-J. Chen, X.-Y. Huang, D.-X. Wu and B.-S. Kang), 17

Aromatic amines
Formation of aromatic amines from dinitrogen complexes $[Cp_2TiAr]_2\text{-}N_2$ (Ar = C_6H_5, *m*-$CH_3C_6H_4$) (E.G. Berkovich, V.S. Lenenko, L.I. Vyshinskaya, G.A. Vasil'eva, V.B. Shur and M.E. Vol'pin), 169

Aromatic compound
Reductive elimination of Et–Et from $NiEt_2$(bpy) promoted by electron-accepting aromatic compounds (T. Yamamoto and M. Abla), 209

Aryllithiums
Formation of aromatic amines from dinitrogen complexes $[Cp_2TiAr]_2\text{-}N_2$ (Ar = C_6H_5, *m*-$CH_3C_6H_4$) (E.G. Berkovich, V.S. Lenenko, L.I. Vyshinskaya, G.A. Vasil'eva, V.B. Shur and M.E. Vol'pin), 169

Azido complexes
Preparation, reactions, and infrared spectra of *fac*-$(CO)_3$(P–P)Mn–Z complexes (P–P = DEPE, DPPE, DPPP; Z = H, OTs, OMe, OC(O)OMe, NCO, Cl, Br, N_3) (G.Q. Li and M. Orchin), 43

Betaine
$Cp_2^*Zr(\mu\text{-}C_4H_6)B(C_6F_5)_3$, a first example of a stable unbridged homogeneous metallocene–betaine Ziegler catalyst system (J. Karl, G. Erker and R. Fröhlich), 59

Biarylnickel(II) complex
Reductive elimination of Et–Et from $NiEt_2$(bpy) promoted by electron-accepting aromatic compounds (T. Yamamoto and M. Abla), 209

Bipyridine
Reductive elimination of Et–Et from $NiEt_2$(bpy) promoted by electron-accepting aromatic compounds (T. Yamamoto and M. Abla), 209

Bis(1-pyrazolyl)borates
Studies on some di- and triorganotin(IV) derivatives of bis(1-pyrazolyl)borates and some related compounds (D.K. Dey, M.K. Das and R.K. Bansal), 7

$^{11}B/^{119}Sn$ NMR spectroscopy
Studies on some di- and triorganotin(IV) derivatives of bis(1-pyrazolyl)borates and some related compounds (D.K. Dey, M.K. Das and R.K. Bansal), 7

Carbene complexes
Mechanism of aminocarbene formation by nucleophilic attack on isocyanide ligands in platinum(II) 2-pyrazyl and 4-pyridyl complexes (L. Canovese, F. Visentin, P. Uguagliati, B. Crociani and F. Di Bianca), 69

Carbohydrate
Chiral phosphine ligands derived from sugars. 10. Syntheses, structure, characterization, and antitumor activity of the gold(I) complexes with sugar-substructure phosphine ligands (J.-C. Shi, L.-J. Chen, X.-Y. Huang, D.-X. Wu and B.-S. Kang), 17

Carbonyl
Mixed-metal cluster chemistry V. Syntheses and X-ray crystal structure of $Cp_2Mo_2Ir_2(\mu_3\text{-}CO)(\mu\text{-}CO)_5(CO)_4$ (N.T. Lucas, M.G. Humphrey and D.C.R. Hockless), 175

Carbonyl stretching frequencies
Preparation, reactions, and infrared spectra of *fac*-$(CO)_3$(P–P)Mn–Z complexes (P–P = DEPE, DPPE, DPPP; Z = H, OTs, OMe, OC(O)OMe, NCO, Cl, Br, N_3) (G.Q. Li and M. Orchin), 43

Catalysis
Kinetics and mechanism of the reaction of photogenerated (η^1-(tetrachloromethane)pentacarbonylmetal(0) complexes, (η^1-$(CCl_4)M(CO)_5$; M = Mo, W) with 1-hexene: the initial steps in the creation of olefin methathesis catalysts (G.R. Dobson, J.P. Smit, W. Purcell and S. Ladogana), 63

Cationic derivatives
Neutral and cationic di(*tert*-butyl)cyclopentadienyl titanium, zirconium and hafnium complexes. Dynamic NMR study of the ligand-free cations $[M(1,3\text{-}^tBu_2\text{-}\eta^5\text{-}C_5H_3)(\eta^5\text{-}C_5H_5)(CH_3)]^+$ (M = Zr, Hf) (J.I. Amor, T. Cuenca, M. Galakhov, P. Gómez-Sal, A. Manzanero and P. Royo), 155

Chiral phosphine
Chiral phosphine ligands derived from sugars. 10. Syntheses, structure, characterization, and antitumor activity of the gold(I) complexes with sugar-substructure phosphine ligands (J.-C. Shi, L.-J. Chen, X.-Y. Huang, D.-X. Wu and B.-S. Kang), 17

Chromium
Synthesis and spectroscopic properties of some new bi-, tri- and tetrametallic complexes of the type $[M(CO)_5L]$, $[M(CO)_4L_2]$ and

Elsevier Science S.A.

[$M(CO)_3L_3$] {M = Cr, Mo, W; L = [$\overline{W I_2(CO)\{Ph_2P(CH_2)_2PPh\text{-}(CH_2)_2PPh_2\text{-}P,P'\}(\eta^2\text{-}RC_2R')}$] (R = R' = Me, Ph; R = Me, R' = Ph)} (P.K. Baker and M.M. Meehan), 129

Cluster
Mixed-metal cluster chemistry V. Syntheses and X-ray crystal structure of $Cp_2Mo_2Ir_2(\mu_3\text{-}CO)(\mu\text{-}CO)_5(CO)_4$ (N.T. Lucas, M.G. Humphrey and D.C.R. Hockless), 175

Crystal structure
Complexation of [ω-diphenylphosphinoalkyl]diphenylphosphine sulphides with $AgNO_3$ (E.I. Matrosov, Z.A. Starikova, A.I. Yanovsky, D.I. Lobanov, I.M. Aladzheva, O.V. Bykhovskaya, Yu.T. Struchkov, T.A. Mastryukova and M.I. Kabachnik), 121
Mixed-metal cluster chemistry V. Syntheses and X-ray crystal structure of $Cp_2Mo_2Ir_2(\mu_3\text{-}CO)(\mu\text{-}CO)_5(CO)_4$ (N.T. Lucas, M.G. Humphrey and D.C.R. Hockless), 175
Reductive elimination of Et–Et from $NiEt_2$(bpy) promoted by electron-accepting aromatic compounds (T. Yamamoto and M. Abla), 209
Synthesis, characterization and structure of ferrocenylketimine complexes of platinum(II) (Y.J. Wu, L. Ding, H.X. Wang, Y.H. Liu, H.Z. Yuan and X.A. Mao), 49

Cycloadditions
Reactions of a carbosilylated methylenephosphonium ion with π-conjugated hydrocarbons (J. Thomaier, G. Alcaraz, H. Grützmacher, H. Hillebrecht, C. Marchand and U. Heim), 91

Cyclometallation
Synthesis, characterization and structure of ferrocenylketimine complexes of platinum(II) (Y.J. Wu, L. Ding, H.X. Wang, Y.H. Liu, H.Z. Yuan and X.A. Mao), 49

Cyclopentadienyl
Mixed-metal cluster chemistry V. Syntheses and X-ray crystal structure of $Cp_2Mo_2Ir_2(\mu_3\text{-}CO)(\mu\text{-}CO)_5(CO)_4$ (N.T. Lucas, M.G. Humphrey and D.C.R. Hockless), 175

Cyclopentadienyl derivatives
Neutral and cationic di(*tert*-butyl)cyclopentadienyl titanium, zirconium and hafnium complexes. Dynamic NMR study of the ligand-free cations $[M(1,3\text{-}^tBu_2\text{-}\eta^5\text{-}C_5H_3)(\eta^5\text{-}C_5H_5)(CH_3)]^+$ (M = Zr, Hf) (J.I. Amor, T. Cuenca, M. Galakhov, P. Gómez-Sal, A. Manzanero and P. Royo), 155

DIBAL-H
Synthesis and characterization of functionalized phosphenium ions, stabilized by two intramolecular dative P ← N bonds (J.-P. Bezombes, F. Carré, C. Chuit, R.J.P. Corriu, A. Mehdi and C. Reyé), 81

Dibutyltin(IV)
Studies on some di- and triorganotin(IV) derivatives of bis(1-pyrazolyl)borates and some related compounds (D.K. Dey, M.K. Das and R.K. Bansal), 7

Dichlorodimethylzirconium
An efficient synthetic method of *ansa*-zirconocene dimethyl complexes via Me_2ZrCl_2 (J.T. Park, B.W. Woo, S.C. Yoon and S.C. Shim), 29

Dimethyltin(IV)
Studies on some di- and triorganotin(IV) derivatives of bis(1-pyrazolyl)borates and some related compounds (D.K. Dey, M.K. Das and R.K. Bansal), 7

ansa-Dimethylzirconocene
An efficient synthetic method of *ansa*-zirconocene dimethyl complexes via Me_2ZrCl_2 (J.T. Park, B.W. Woo, S.C. Yoon and S.C. Shim), 29

Dinitrogen complexes
Formation of aromatic amines from dinitrogen complexes $[Cp_2TiAr]_2\text{-}N_2$ (Ar = C_6H_5, *m*-$CH_3C_6H_4$) (E.G. Berkovich, V.S. Lenenko, L.I. Vyshinskaya, G.A. Vasil'eva, V.B. Shur and M.E. Vol'pin), 169

Diphenyltin(IV)
Studies on some di- and triorganotin(IV) derivatives of bis(1-pyrazolyl)borates and some related compounds (D.K. Dey, M.K. Das and R.K. Bansal), 7

Electrochemistry
Stereochemical rigidity in a trimetallic complex. X-ray crystal structure of *trans*-$[Pd\{(\eta^5\text{-}C_5H_5)Fe[(\eta^5\text{-}C_5H_4)\text{–}CH{=}N\text{–}N(CH_3)_2]\}_2\text{-}Cl_2]$ (C. López, R. Bosque, X. Solans and M. Font-Bardía), 99

Ferrocene
Stereochemical rigidity in a trimetallic complex. X-ray crystal structure of *trans*-$[Pd\{(\eta^5\text{-}C_5H_5)Fe[(\eta^5\text{-}C_5H_4)\text{–}CH{=}N\text{–}N(CH_3)_2]\}_2\text{-}Cl_2]$ (C. López, R. Bosque, X. Solans and M. Font-Bardía), 99
Synthesis, characterization and structure of ferrocenylketimine complexes of platinum(II) (Y.J. Wu, L. Ding, H.X. Wang, Y.H. Liu, H.Z. Yuan and X.A. Mao), 49

Flash photolysis
Kinetics and mechanism of the reaction of photogenerated (η^1-(tetrachloromethane)pentacarbonylmetal(0) complexes, $(\eta^1\text{-}(CCl_4)M(CO)_5$; M = Mo, W) with 1-hexene: the initial steps in the creation of olefin methathesis catalysts (G.R. Dobson, J.P. Smit, W. Purcell and S. Ladogana), 63

Gold compound
Chiral phosphine ligands derived from sugars. 10. Syntheses, structure, characterization, and antitumor activity of the gold(I) complexes with sugar-substructure phosphine ligands (J.-C. Shi, L.-J. Chen, X.-Y. Huang, D.-X. Wu and B.-S. Kang), 17

Hafnium
Neutral and cationic di(*tert*-butyl)cyclopentadienyl titanium, zirconium and hafnium complexes. Dynamic NMR study of the ligand-free cations $[M(1,3\text{-}^tBu_2\text{-}\eta^5\text{-}C_5H_3)(\eta^5\text{-}C_5H_5)(CH_3)]^+$ (M = Zr, Hf) (J.I. Amor, T. Cuenca, M. Galakhov, P. Gómez-Sal, A. Manzanero and P. Royo), 155

Halocarbons
Kinetics and mechanism of the reaction of photogenerated (η^1-(tetrachloromethane)pentacarbonylmetal(0) complexes, $(\eta^1\text{-}(CCl_4)M(CO)_5$; M = Mo, W) with 1-hexene: the initial steps in the creation of olefin methathesis catalysts (G.R. Dobson, J.P. Smit, W. Purcell and S. Ladogana), 63

Homogeneous catalysis
$Cp_2^*Zr(\mu\text{-}C_4H_9)B(C_6F_5)_3$, a first example of a stable unbridged homogeneous metallocene–betaine Ziegler catalyst system (J. Karl, G. Erker and R. Fröhlich), 59

Hydrazone
Stereochemical rigidity in a trimetallic complex. X-ray crystal structure of *trans*-$[Pd\{(\eta^5\text{-}C_5H_5)Fe[(\eta^5\text{-}C_5H_4)\text{–}CH{=}N\text{–}N(CH_3)_2]\}_2\text{-}Cl_2]$ (C. López, R. Bosque, X. Solans and M. Font-Bardía), 99

Infrared spectroscopy
Studies on some di- and triorganotin(IV) derivatives of bis(1-pyrazolyl)borates and some related compounds (D.K. Dey, M.K. Das and R.K. Bansal), 7

Iridium
Mixed-metal cluster chemistry V. Syntheses and X-ray crystal structure of $Cp_2Mo_2Ir_2(\mu_3\text{-}CO)(\mu\text{-}CO)_5(CO)_4$ (N.T. Lucas, M.G. Humphrey and D.C.R. Hockless), 175

IR spectroscopy
Complexation of [ω-diphenylphosphinoalkyl]diphenylphosphine sulphides with $AgNO_3$ (E.I. Matrosov, Z.A. Starikova, A.I.

Yanovsky, D.I. Lobanov, I.M. Aladzheva, O.V. Bykhovskaya, Yu.T. Struchkov, T.A. Mastryukova and M.I. Kabachnik), 121

Isocyanide complexes
Mechanism of aminocarbene formation by nucleophilic attack on isocyanide ligands in platinum(II) 2-pyrazyl and 4-pyridyl complexes (L. Canovese, F. Visentin, P. Uguagliati, B. Crociani and F. Di Bianca), 69

Kinetics
Kinetics and mechanism of the reaction of photogenerated (η^1-(tetrachloromethane)pentacarbonylmetal(0) complexes, (η^1-(CCl_4)M-$(CO)_5$; M = Mo, W) with 1-hexene: the initial steps in the creation of olefin methathesis catalysts (G.R. Dobson, J.P. Smit, W. Purcell and S. Ladogana), 63

Kinetics and mechanism
Mechanism of aminocarbene formation by nucleophilic attack on isocyanide ligands in platinum(II) 2-pyrazyl and 4-pyridyl complexes (L. Canovese, F. Visentin, P. Uguagliati, B. Crociani and F. Di Bianca), 69

Lithium
Formation of aromatic amines from dinitrogen complexes $[Cp_2TiAr]_2$-N_2 (Ar = C_6H_5, *m*-$CH_3C_6H_4$) (E.G. Berkovich, V.S. Lenenko, L.I. Vyshinskaya, G.A. Vasil'eva, V.B. Shur and M.E. Vol'pin), 169

Manganese diphosphine complexes
Preparation, reactions, and infrared spectra of *fac*-$(CO)_3$(P–P)Mn–Z complexes (P–P = DEPE, DPPE, DPPP; Z = H, OTs, OMe, OC(O)OMe, NCO, Cl, Br, N_3) (G.Q. Li and M. Orchin), 43

Metallocenes
$Cp_2^*Zr(\mu$-$C_4H_6)B(C_6F_5)_3$, a first example of a stable unbridged homogeneous metallocene–betaine Ziegler catalyst system (J. Karl, G. Erker and R. Fröhlich), 59

Methylenephosphonium salts
Reactions of a carbosilylated methylenephosphonium ion with π-conjugated hydrocarbons (J. Thomaier, G. Alcaraz, H. Grützmacher, H. Hillebrecht, C. Marchand and U. Heim), 91

Molybdenum
Kinetics and mechanism of the reaction of photogenerated (η^1-(tetrachloromethane)pentacarbonylmetal(0) complexes, (η^1-(CCl_4)M-$(CO)_5$; M = Mo, W) with 1-hexene: the initial steps in the creation of olefin methathesis catalysts (G.R. Dobson, J.P. Smit, W. Purcell and S. Ladogana), 63

Mixed-metal cluster chemistry V. Syntheses and X-ray crystal structure of $Cp_2Mo_2Ir_2(\mu_3$-CO)$(\mu$-CO)$_4$(CO)$_4$ (N.T. Lucas, M.G. Humphrey and D.C.R. Hockless), 175

Synthesis and spectroscopic properties of some new bi-, tri- and tetrametallic complexes of the type $[M(CO)_5L]$, $[M(CO)_4L_2]$ and $[M(CO)_3L_3]$ (M = Cr, Mo, W; L = [$\overline{WI_2(CO)(Ph_2\dot{P}(CH_2)_2\dot{P}Ph}$-$(CH_2)_2PPh_2$-*P*,*P*′)($\eta^2$-$RC_2R'$)] (R = R′ = Me, Ph; R = Me, R′ = Ph)) (P.K. Baker and M.M. Meehan), 129

Nickel
Reductive elimination of Et–Et from $NiEt_2$(bpy) promoted by electron-accepting aromatic compounds (T. Yamamoto and M. Abla), 209

Nuclear magnetic resonance
Chiral phosphine ligands derived from sugars. 10. Syntheses, structure, characterization, and antitumor activity of the gold(I) complexes with sugar-substructure phosphine ligands (J.-C. Shi, L.-J. Chen, X.-Y. Huang, D.-X. Wu and B.-S. Kang), 17

Nucleophilic attacks
Mechanism of aminocarbene formation by nucleophilic attack on isocyanide ligands in platinum(II) 2-pyrazyl and 4-pyridyl complexes (L. Canovese, F. Visentin, P. Uguagliati, B. Crociani and F. Di Bianca), 69

Olefin metathesis
Kinetics and mechanism of the reaction of photogenerated (η^1-(tetrachloromethane)pentacarbonylmetal(0) complexes, (η^1-(CCl_4)M-$(CO)_5$; M = Mo, W) with 1-hexene: the initial steps in the creation of olefin methathesis catalysts (G.R. Dobson, J.P. Smit, W. Purcell and S. Ladogana), 63

Palladium(II)
Stereochemical rigidity in a trimetallic complex. X-ray crystal structure of *trans*-[Pd((η^5-C_5H_5)Fe[(η^5-C_5H_4)–CH=N–$N(CH_3)_2$]$_2$-Cl_2] (C. López, R. Bosque, X. Solans and M. Font-Bardía), 99

Phosphaethene
Preparation and photoisomerization of 2-phosphaethenylbenzenes having more than one phosphorus–carbon double bond (H. Kawanami, K. Toyota and M. Yoshifuji), 1

Phosphine–phosphine sulphide
Complexation of [ω-diphenylphosphinoalkyl]diphenylphosphine sulphides with $AgNO_3$ (E.I. Matrosov, Z.A. Starikova, A.I. Yanovsky, D.I. Lobanov, I.M. Aladzheva, O.V. Bykhovskaya, Yu.T. Struchkov, T.A. Mastryukova and M.I. Kabachnik), 121

Phosphonioethynyl
Ethinylkomplexe des Rutheniums mit terminalen Hauptgruppenelement-Substituenten: Systematischer Aufbau metallgebundener Phosphoniumacetylid-Liganden $R'R_2P^{(+)}$–C≡$C^{(-)}$ (L. Dahlenburg, A. Weiß und M. Moll), 195

Phosphonium salts
Reactions of a carbosilylated methylenephosphonium ion with π-conjugated hydrocarbons (J. Thomaier, G. Alcaraz, H. Grützmacher, H. Hillebrecht, C. Marchand and U. Heim), 91

Phosphorus
Preparation and photoisomerization of 2-phosphaethenylbenzenes having more than one phosphorus–carbon double bond (H. Kawanami, K. Toyota and M. Yoshifuji), 1

Phosphorus NMR
Complexation of [ω-diphenylphosphinoalkyl]diphenylphosphine sulphides with $AgNO_3$ (E.I. Matrosov, Z.A. Starikova, A.I. Yanovsky, D.I. Lobanov, I.M. Aladzheva, O.V. Bykhovskaya, Yu.T. Struchkov, T.A. Mastryukova and M.I. Kabachnik), 121

Platinum
Synthesis, characterization and structure of ferrocenylketimine complexes of platinum(II) (Y.J. Wu, L. Ding, H.X. Wang, Y.H. Liu, H.Z. Yuan and X.A. Mao), 49

Platinum complexes
Mechanism of aminocarbene formation by nucleophilic attack on isocyanide ligands in platinum(II) 2-pyrazyl and 4-pyridyl complexes (L. Canovese, F. Visentin, P. Uguagliati, B. Crociani and F. Di Bianca), 69

Polymerization
$Cp_2^*Zr(\mu$-$C_4H_6)B(C_6F_5)_3$, a first example of a stable unbridged homogeneous metallocene–betaine Ziegler catalyst system (J. Karl, G. Erker and R. Fröhlich), 59

Reductive elimination
Reductive elimination of Et–Et from $NiEt_2$(bpy) promoted by electron-accepting aromatic compounds (T. Yamamoto and M. Abla), 209

Ruthenium
Ethinylkomplexe des Rutheniums mit terminalen Hauptgruppenelement-Substituenten: Systematischer Aufbau metallgebundener Phosphoniumacetylid-Liganden $R'R_2P^{(+)}$–C≡$C^{(-)}$ (L. Dahlenburg, A. Weiß und M. Moll), 195

Silver
Complexation of [ω-diphenylphosphinoalkyl]diphenylphosphine sulphides with $AgNO_3$ (E.I. Matrosov, Z.A. Starikova, A.I.

Yanovsky, D.I. Lobanov, I.M. Aladzheva, O.V. Bykhovskaya, Yu.T. Struchkov, T.A. Mastryukova and M.I. Kabachnik), 121

Silylation
Silylation of silylketenes (S.N. Nikolaeva, S.V. Ponomarev, V.S. Petrosyan and J. Lorberth), 213

Stabilized phosphenium ion
Synthesis and characterization of functionalized phosphenium ions, stabilized by two intramolecular dative P ← N bonds (J.-P. Bezombes, F. Carré, C. Chuit, R.J.P. Corriu, A. Mehdi and C. Reyé), 81

Steric protection
Preparation and photoisomerization of 2-phosphaethenylbenzenes having more than one phosphorus–carbon double bond (H. Kawanami, K. Toyota and M. Yoshifuji), 1

Thermal isomerization
Silylation of silylketenes (S.N. Nikolaeva, S.V. Ponomarev, V.S. Petrosyan and J. Lorberth), 213

Titanium
Formation of aromatic amines from dinitrogen complexes $[Cp_2TiAr]_2$-N_2 (Ar = C_6H_5, *m*-$CH_3C_6H_4$) (E.G. Berkovich, V.S. Lenenko, L.I. Vyshinskaya, G.A. Vasil'eva, V.B. Shur and M.E. Vol'pin), 169
Neutral and cationic di(*tert*-butyl)cyclopentadienyl titanium, zirconium and hafnium complexes. Dynamic NMR study of the ligand-free cations $[M(1,3\text{-}^tBu_2\text{-}\eta^5\text{-}C_5H_3)(\eta^5\text{-}C_5H_5)(CH_3)]^+$ (M = Zr, Hf) (J.I. Amor, T. Cuenca, M. Galakhov, P. Gómez-Sal, A. Manzanero and P. Royo), 155

Triazolato complexes
Preparation, reactions, and infrared spectra of *fac*-$(CO)_3$(P–P)Mn–Z complexes (P–P = DEPE, DPPE, DPPP; Z = H, OTs, OMe, OC(O)OMe, NCO, Cl, Br, N_3) (G.Q. Li and M. Orchin), 43

1-Trimethylsiloxy-2-silylethynes
Silylation of silylketenes (S.N. Nikolaeva, S.V. Ponomarev, V.S. Petrosyan and J. Lorberth), 213

Trimethylsilyl(silyl)ketenes
Silylation of silylketenes (S.N. Nikolaeva, S.V. Ponomarev, V.S. Petrosyan and J. Lorberth), 213

Triphus
Synthesis and spectroscopic properties of some new bi-, tri- and tetrametallic complexes of the type $[M(CO)_5L]$, $[M(CO)_4L_2]$ and $[M(CO)_3L_3]$ {M = Cr, Mo, W; L = $[\overline{WI_2(CO)(Ph_2P(CH_2)_2PPh\text{-}(CH_2)_2PPh_2\text{-}P,P')(\eta^2\text{-}RC_2R')}]$ (R = R′ = Me, Ph; R = Me, R′ = Ph)} (P.K. Baker and M.M. Meehan), 129

2,4,6-Tri-*t*-butylphenyl
Preparation and photoisomerization of 2-phosphaethenylbenzenes having more than one phosphorus–carbon double bond (H. Kawanami, K. Toyota and M. Yoshifuji), 1

Tungsten
Kinetics and mechanism of the reaction of photogenerated (η^1-(tetrachloromethane)pentacarbonylmetal(0) complexes, (η^1-$(CCl_4)M(CO)_5$; M = Mo, W) with 1-hexene: the initial steps in the creation of olefin methathesis catalysts (G.R. Dobson, J.P. Smit, W. Purcell and S. Ladogana), 63
Synthesis and spectroscopic properties of some new bi-, tri- and tetrametallic complexes of the type $[M(CO)_5L]$, $[M(CO)_4L_2]$ and $[M(CO)_3L_3]$ {M = Cr, Mo, W; L = $[\overline{WI_2(CO)(Ph_2P(CH_2)_2PPh\text{-}(CH_2)_2PPh_2\text{-}P,P')(\eta^2\text{-}RC_2R')}]$ (R = R′ = Me, Ph; R = Me, R′ = Ph)} (P.K. Baker and M.M. Meehan), 129

X-ray crystallographic analysis
Preparation and photoisomerization of 2-phosphaethenylbenzenes having more than one phosphorus–carbon double bond (H. Kawanami, K. Toyota and M. Yoshifuji), 1

X-ray diffraction
Chiral phosphine ligands derived from sugars. 10. Syntheses, structure, characterization, and antitumor activity of the gold(I) complexes with sugar-substructure phosphine ligands (J.-C. Shi, L.-J. Chen, X.-Y. Huang, D.-X. Wu and B.-S. Kang), 17

X-ray structure analysis
Synthesis and characterization of functionalized phosphenium ions, stabilized by two intramolecular dative P ← N bonds (J.-P. Bezombes, F. Carré, C. Chuit, R.J.P. Corriu, A. Mehdi and C. Reyé), 81

Ziegler catalysts
$Cp_2^*Zr(\mu\text{-}C_4H_6)B(C_6F_5)_3$, a first example of a stable unbridged homogeneous metallocene–betaine Ziegler catalyst system (J. Karl, G. Erker and R. Fröhlich), 59

Zirconium
Neutral and cationic di(*tert*-butyl)cyclopentadienyl titanium, zirconium and hafnium complexes. Dynamic NMR study of the ligand-free cations $[M(1,3\text{-}^tBu_2\text{-}\eta^5\text{-}C_5H_3)(\eta^5\text{-}C_5H_5)(CH_3)]^+$ (M = Zr, Hf) (J.I. Amor, T. Cuenca, M. Galakhov, P. Gómez-Sal, A. Manzanero and P. Royo), 155